

Grounding Busbar

Data Solutions



Proper bonding is essential to create an equipotential plane between service grounds and equipment during fault and transient conditions. This equipotential plane provides a near-zero voltage differential, and serves to protect people and equipment during these events. The grounding busbar is the most popular bonding product in use today.

CERTIFICATIONS



FEATURES

Provides a convenient, single-point grounding and bonding location

Conductors are welded to the bar using a nVent ERICO Cadweld exothermic connection or are mechanically fastened by using lugs

Custom bars can be designed and manufactured to customer specifications

SPECIFICATIONS

Material: Copper

Table 1/2

| Catalog Number | Busbar Configuration | Hole Pattern | Mounting Hole Size | Length | Width | Thickness |
|----------------|---------------------------------|-----------------|--------------------|--------|-------|-----------|
| EGBA14216HH | Busbar, Insulators and Brackets | HH Hole Pattern | 11.1mm | 406mm | 51mm | 6.4mm |

| Catalog Number | Busbar Configuration | Hole Pattern | Mounting Hole Size | Length | Width | Thickness |
|----------------|---------------------------------|------------------|--------------------|--------|-------|-----------|
| EGBC14212NN | Busbar Only | NN Hole Pattern | 11.1mm | 305mm | 51mm | 6.4mm |
| EGBA14412CC | Busbar, Insulators and Brackets | CC Hole Pattern | 11.1mm | 305mm | 102mm | 6.4mm |
| EGBA14224EET | Busbar, Insulators and Brackets | EE Hole Pattern | 11.1mm | 610mm | 51mm | 6.4mm |
| EGBA14424MM | Busbar, Insulators and Brackets | MM Hole Pattern | 11.1mm | 610mm | 102mm | 6.4mm |
| EGBA14212TES | Busbar, Insulators and Brackets | TES Hole Pattern | 11.1mm | 305mm | 51mm | 6.4mm |
| EGBA14212BBT | Busbar, Insulators and Brackets | BB Hole Pattern | 11.1mm | 305mm | 51mm | 6.4mm |
| EGBA14612AA | Busbar, Insulators and Brackets | AA Hole Pattern | 11.1mm | 305mm | 152mm | 6.4mm |
| EGBA14220DGT | Busbar, Insulators and Brackets | DG Hole Pattern | 11.1mm | 508mm | 51mm | 6.4mm |
| EGBA14420HIG | Busbar, Insulators and Brackets | HIG Hole Pattern | 11.1mm | 508mm | 102mm | 6.4mm |
| EGBA14212HH | Busbar, Insulators and Brackets | HH Hole Pattern | 11.1mm | 305mm | 51mm | 6.4mm |
| EGBA14224GGT | Busbar, Insulators and Brackets | GG Hole Pattern | 11.1mm | 610mm | 51mm | 6.4mm |
| EGBA14215EET | Busbar, Insulators and Brackets | EE Hole Pattern | 11.1mm | 381mm | 51mm | 6.4mm |
| EGBA14240EET | Busbar, Insulators and Brackets | EE Hole Pattern | 11.1mm | 1016mm | 51mm | 6.4mm |
| EGBD14224BB | Busbar and Insulators | BB Hole Pattern | 11.1mm | 610mm | 51mm | 6.4mm |
| EGBA14436CC | Busbar, Insulators and Brackets | CC Hole Pattern | 11.1mm | 914mm | 102mm | 6.4mm |

| Catalog Number | Busbar Configuration | Hole Pattern | Mounting Hole Size | Length | Width | Thickness |
|----------------|---------------------------------|------------------|--------------------|--------|-------|-----------|
| EGBA14215JJ | Busbar, Insulators and Brackets | JJ Hole Pattern | 11.1mm | 381mm | 51mm | 6.4mm |
| EGBA14215TES | Busbar, Insulators and Brackets | TES Hole Pattern | 11.1mm | 381mm | 51mm | 6.4mm |
| EGBA14424DDT | Busbar, Insulators and Brackets | DD Hole Pattern | 11.1mm | 610mm | 102mm | 6.4mm |
| EGBC14412LLT | Busbar Only | LL Hole Pattern | 11.1mm | 305mm | 102mm | 6.4mm |

Table 2/2

| Catalog Number | Busbar Configuration | Hole Pattern | Mounting Hole Size | Length | Width | Thickness |
|----------------|---------------------------------|-----------------|--------------------|--------|-------|-----------|
| EGBA14618AA | Busbar, Insulators and Brackets | AA Hole Pattern | 11.1mm | 457mm | 152mm | 6.4mm |
| EGBA14206EET | Busbar, Insulators and Brackets | EE Hole Pattern | 11.1mm | 152mm | 51mm | 6.4mm |
| EGBA14420LL | Busbar, Insulators and Brackets | LL Hole Pattern | 11.1mm | 508mm | 102mm | 6.4mm |
| EGBB14212JJ | Busbar and Brackets | JJ Hole Pattern | 11.1mm | 305mm | 51mm | 6.4mm |
| EGBA14212EET | Busbar, Insulators and Brackets | EE Hole Pattern | 11.1mm | 305mm | 51mm | 6.4mm |

Table 1/2

| Catalog Number | Tin Plating | Pigtail Included |
|----------------|-------------|------------------|
| EGBA14216HH | No | No |
| EGBC14212NN | No | No |
| EGBA14412CC | No | No |
| EGBA14224EET | Yes | No |
| EGBA14424MM | No | No |
| EGBA14212TES | No | No |
| EGBA14212BBT | Yes | No |
| EGBA14612AA | No | No |
| EGBA14220DGT | Yes | No |

| Catalog Number | Tin Plating | Pigtail Included |
|----------------|-------------|------------------|
| EGBA14420HIG | No | No |
| EGBA14212HH | No | No |
| EGBA14224GGT | Yes | No |
| EGBA14215EET | Yes | No |
| EGBA14240EET | Yes | No |
| EGBD14224BB | No | No |
| EGBA14436CC | No | No |
| EGBA14215JJ | No | No |
| EGBA14215TES | No | No |
| EGBA14424DDT | Yes | No |
| EGBC14412LLT | Yes | No |

Table 2/2

| Catalog Number | Tin Plating | Pigtail Included |
|----------------|-------------|------------------|
| EGBA14618AA | No | No |
| EGBA14206EET | Yes | No |
| EGBA14420LL | No | No |
| EGBB14212JJ | No | No |
| EGBA14212EET | Yes | No |

ADDITIONAL PRODUCT DETAILS

Diagrams are representative of the hole pattern. The number of holes is dependent on the length of the grounding busbar.

Additional configurations are available by special order. Note special orders may incur additional lead time.

| EGB-A-14-4-12-CC-T-1T-K | | |
|-------------------------|------------------------------------|---|
| EGB | ERICO Grounding Busbar Designation | |
| A | Configuration | A: Busbar, Insulators and Brackets B: Busbar and Brackets C: Busbar Only D: Busbar and Insulators |
| 14 | Thickness (") | 14: 1/4" · 38: 3/8" · 12: 1/2" |
| 4 | Width (") | |
| 12 | Length (") | Rounded to the nearest inch, 144" max |
| CC | Hole Pattern | Diagrams are representative of the hole pattern. The number of holes is dependent on the length of the grounding busbar. |
| T* | Tin Plating | |
| 1T* | ERICO Cable Code | 1K: #4 Sol Tin · 1T: #2 Sol Tin 2C: 1/0 · 2G: 2/0 · 2L: 3/0 · 2Q: 4/0 2V: 250 kcmil · 3D: 350 kcmil · 3Q: 500 kcmil · 4L: 750 kcmil |
| K* | Pigtail Length (") | A:1 · B:2 · C:3 · D:4 · E:5 · F:6 · G:7 · H:8 · J:9 · K:10 · L:12 · M:14 · N:16 P:18 · Q:20 · R:22 · S:24 · T:26 · U:28 · V:30 · W:32 · X:34 · Y:36 · Z:38 |

* Empty if none

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.



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